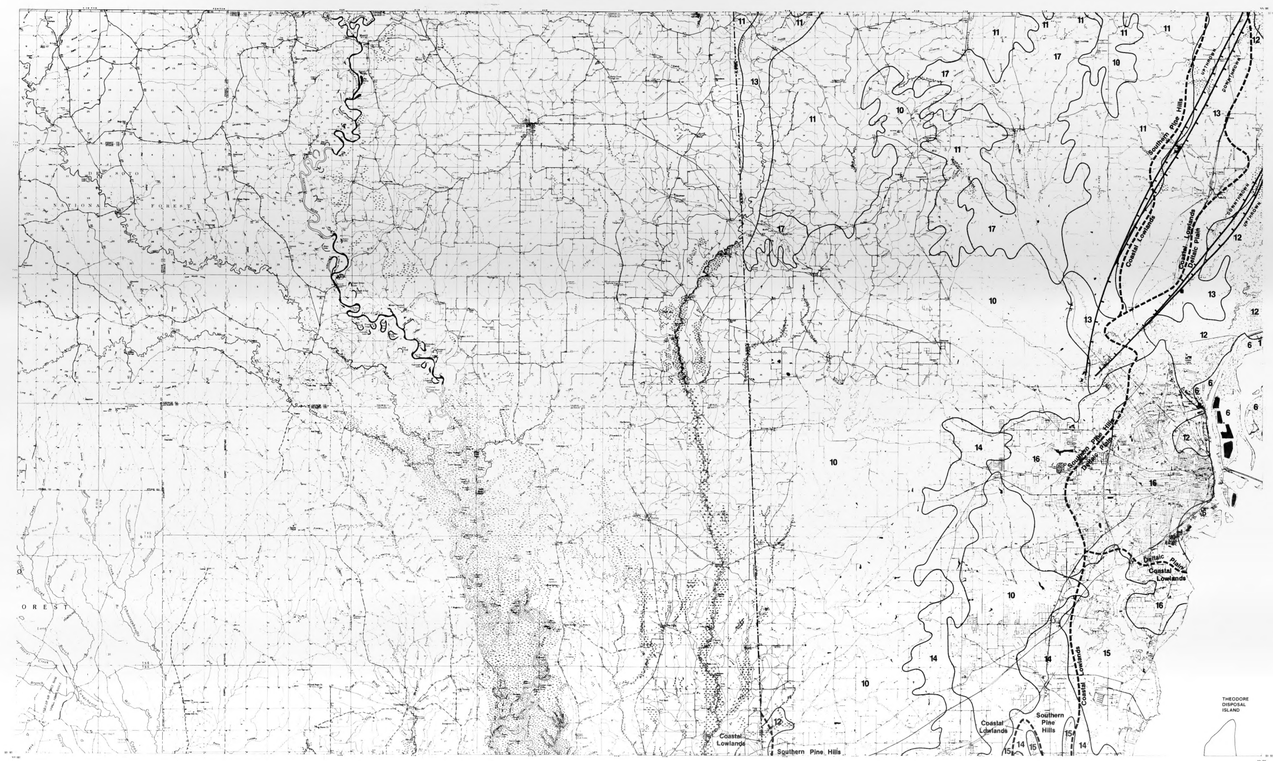
I 49.89:82/46/MAP C 3

MOBILE.ECOLOGICAL ATLAS OF COASTAL ALABAMA. SOILS AND LANDFORMS. . . FWS/OBS-82/46-MAP C3 . . . FISH & WILDLIFE SERVICE.U.S.DEPT.OF THE INTERIOR. . . 1984

1 OF 1
12.5X
SUPTDOCS/GPO
MAP C3

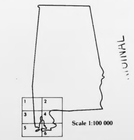


MAP C3
MMS 84-0002
FWS/OBS-82/46

Mobile

ECOLOGICAL ATLAS OF COASTAL ALABAMA

SOILS AND LANDFORMS



TOPICAL MAPS IN THIS ATLAS:
A. BIOLOGICAL RESOURCES
B. SOCIOECONOMIC FEATURES
C. SOILS AND LANDFORMS
D. OIL, GAS AND MINERAL RESOURCES
E. HYDROLOGY AND CLIMATOLOGY

1984

Produced by U.S. Fish and Wildlife Service and Minerals Management Service

ACCRETION AREA
active in 1980; historical trends mapped in narrative

EROSION AREA
active in 1980; historical trends mapped in narrative

ACTIVE DUNES

GEOLOGIC FAULT
thrust of fault indicated, hatched on downthrown side

REGIONAL SURFACE LAND FORMS
Southern Pine Hills
moderately dissected, southeast sloping plain with elevations to 100 feet
Lowlands
flat to gently undulating plain with coastal, alluvial and deltaic plains subtonions, elevation from mean sea level to 30 feet

STUDY AREA OFFSHORE BOUNDARY

SOIL ASSOCIATIONS

1 Donovan-Levy-Iuka-Urbo
level to gently sloping, deep, very poorly drained and moderately well drained soils of river flood plains formed in alluvial deposits and decayed organic matter

2 Arveneman-Wahee-Leaf
level to nearly level, deep to moderately deep, poorly drained and moderately well drained soils on stream and marine terraces formed in clayey, loamy, or sandy sediments

3 Cowarts-Troup-Esto
nearly level to steep, deep, and moderately well drained soils on upland ridges and slopes formed in clayey, loamy, or unconsolidated sandy sediments

4 Malbis-Barne-Lucedale
level to strongly sloping, deep, moderately well drained to well drained soils on uplands formed in loamy marine or stream sediments

5 Cowarts-Troup-Esto
level to rolling, deep, moderately well drained to well drained soils on upland ridges and slopes formed in loamy or clayey marine sediments

6 Axis-Lafitte
level, deep, very poorly drained soils of tidal marshes formed in loamy and clayey marine and herbaceous plant centers on mineral sediments

7 Troup-Plummer
level to steep, deep, poorly drained and well drained soils on uplands and drainage ways formed in sandy and loamy marine sediments

8 Poarch-Pascola
level to gently sloping, deep, somewhat poorly drained and well drained soils on terraces and uplands formed in sandy, loamy, and thick loamy sand marine and fluvial deposits

9 Frigo-Leon
level to steep, deep, poorly drained and excessively drained soils of depressional areas and drainage ways formed in thick sandy marine sediments

10 Troup-Hector-Esto
nearly level to undulating, deep, well drained soils on uplands formed in loamy marine sediments

11 Troup-Bernotas-Smithton
nearly level to gently undulating, deep, poorly drained and well drained soils on uplands formed in loamy marine and fluvial sediments

12 Donovan-Johnston-Levy
nearly level, deep, very poorly drained soils on bottom lands formed in thick deposits of organic residues and alluvial sediments

13 Urbo-Donovan-Levy
nearly level to undulating, deep, poorly drained and well drained soils on terraces formed in loamy and clayey marine and alluvial sediments

14 Notchaw-Saucier-Malbis
nearly level to gently undulating, deep, moderately well drained soils on terraces formed in loamy and clayey marine sediments

15 Bayou-Escambia-Hambolton
nearly level to gently undulating, deep, poorly drained and moderately well drained soils on uplands and terraces formed in marine and fluvial sediments

16 Urbo-and-Johnston-Bernotas
nearly level to gently rolling urban land areas intermingled with deep, poorly drained and well drained soils on uplands formed in loamy marine and fluvial sediments

17 Shubuta-Troup-Bernotas
gently undulating to rolling, deep, well drained soils on uplands formed in clayey and loamy marine sediments

THE COASTAL ALABAMA ECOLOGICAL ATLAS WAS PRODUCED IN THE U.S.FISH AND WILDLIFE SERVICE DIVISION OF BIOLOGICAL SERVICES, NATIONAL COASTAL ECOSYSTEMS TEAM (FWS/NCET) IN ATLANTA, GEORGIA. THE ATLAS IS INTENDED TO ASSIST THE PUBLIC, PRIVATE MARINERS, AND THE GENERAL PUBLIC TO DETERMINE AND EVALUATE CHANGES AND TO REDUCE OR ELIMINATE THE LOSS OF LIFE AND PROPERTY RESULTING FROM THE DYNAMIC NATURE OF ECOLOGICAL SUBSYSTEMS. COASTAL ALABAMA IS DEFINED AS THE COMMERCE RECLAMATION DISTRICT (CRD) OF MOBILE COUNTY, ALABAMA, AND THE CRD DEFINES APPROXIMATELY 2,240 SQ. MI. OF LAND AND WATER. THE ATLAS CONSISTS OF 5 MAPS, EACH MAP DEPICTS A DIFFERENT CATEGORY: TOPIC 1) BIOLOGICAL RESOURCES, TOPIC 2) SOCIOECONOMIC FEATURES, TOPIC 3) SOILS AND LANDFORMS, TOPIC 4) OIL, GAS AND MINERAL RESOURCES, TOPIC 5) HYDROLOGY AND CLIMATOLOGY. EACH MAP DEPICTS THE GEOGRAPHICAL SCOPE OF THE FEDERAL, STATE OR LOCAL GOVERNMENT OR CITY AGENCIES.

THE ATLAS WAS BEGUN COMPILATION IN A VARIETY OF SOURCE MATERIALS INCLUDING MAPS, AERIAL PHOTOGRAPHS, AND REPORTS. SINCE MANY SOURCES CONTAINED ONLY GENERALIZED LOCATIONS OF RESOURCES AND OTHER MAPPED FEATURES, THE USER SHOULD NOT RELY ON THEIRS MAPS FOR PRECISE REQUIREMENTS OF DISTANCES OR AREAS.

PRIMARY SOURCES OF MAPPED INFORMATION:
ACCRETION AREA, EROSION AREA AND ACTIVE DUNES: Hayes, M.O., Coastal Geomorphology of Mobile Bay, Alabama, Coastal Research Laboratory, Columbia, S.C. 1973.
GEOLOGIC FAULT: Geologic Map of Alabama, 1926.
REGIONAL SURFACE LANDFORMS: Physiographic Map of Alabama.
SOILS: U.S. Soil Conservation Service in Cooperation with Alabama Agricultural Experiment Station and Alabama Department of Agriculture and Industries, 1980.

MAP NOTES:
THE ATLAS MAPS WERE BEEN COMPILED FROM INFORMATION ON THE U.S.G.S.1:100,000 SCALE DIGITIZED BASEMAP UNITED STATES DIGITAL CULT TO GOVERNMENT OFFICE OF COMPILATION

REPRODUCED FROM BEST AVAILABLE COPY